Patent claims

1. A fuel delivery unit having a surge pot and a fuel pump which is fastened in the surge pot, having a fuel filter and having a sealing connection of the fuel filter to the surge pot and to the fuel pump, characterized in that a filter material (13) almost completely fills a space between the surge pot (3) and the fuel pump (4).

2. The fuel delivery unit as claimed in claim 1, characterized in that the filter material (13) is connected to the surge pot (3) in a cohesive fashion.

3. The fuel delivery unit as claimed in claim 1 or 2, characterized in that the filter material (13) is injection-molded into the surge pot (3).

4. The fuel delivery unit as claimed in at least one of the preceding claims, characterized in that the filter material (13) is embodied as damping material of the fuel pump (4).

5. The fuel delivery unit as claimed in at least one of the preceding claims, characterized in that the filter material (13) of the fuel filter (6) has a recess (14) for directly holding the fuel pump (4).

6. The fuel delivery unit as claimed in at least one of the preceding claims, characterized in that the fuel pump (4) has an interference fit in the recess (14) of the filter material (13).

7. The fuel delivery unit as claimed in at least one of the preceding claims, characterized in that the filter material (13) has a sponge-like structure.

8. The fuel delivery unit as claimed in at least one of the preceding claims, characterized in that the filter material (13) is plugged into the surge pot (3).

9. The fuel delivery unit as claimed in at least one of the preceding claims, characterized in that the filter material (13) is produced from open-cell metal foam.

10. The fuel delivery unit as claimed in at least one of the preceding claims, characterized in that the filter material (13) is produced from polymer foam.